

OIPE

RAW SEQUENCE LISTING

DATE: 01/09/2002

PATENT APPLICATION: US/09/910,082A

TIME: 14:36:30

Input Set : A:\2314-241.ST25.txt

Output Set: N:\CRF3\01082002\I910082A.raw

**Does Not Comply
Corrected Diskette Needed**

3 <110> APPLICANT: University of Utah Research Foundation
 4 Cognetix, Inc.
 5 Olivera, Baldomero M.
 6 McIntosh, J. Michael
 7 Watkins, Maren
 8 Garrett, James E.
 9 Shon, Ki-Joon
 10 Jacobsen, Richard
 11 Jones, Robert M.
 12 Cartier, G. Edward
 14 <120> TITLE OF INVENTION: Omega-Conopeptides
 16 <130> FILE REFERENCE: 2314-241
 C--> 18 <140> CURRENT APPLICATION NUMBER: US/09/910,082A
 C--> 18 <141> CURRENT FILING DATE: 2001-07-23
 18 <150> PRIOR APPLICATION NUMBER: US 60/219,616
 19 <151> PRIOR FILING DATE: 2000-07-21
 21 <150> PRIOR APPLICATION NUMBER: US 60/265,888
 22 <151> PRIOR FILING DATE: 2001-02-05
 24 <160> NUMBER OF SEQ ID NOS: 413
 26 <170> SOFTWARE: PatentIn version 3.0

ERRORED SEQUENCES

1180 <210> SEQ ID NO: 54
 1181 <211> LENGTH: 31
 1182 <212> TYPE: PRT
 1183 <213> ORGANISM: Conus bullatus
 1185 <220> FEATURE:
 1186 <221> NAME/KEY: PEPTIDE
 1187 <222> LOCATION: (1)..(31)
 1188 <223> OTHER INFORMATION: Xaa at residue 30 is Glu or gamma-carboxy Glu; Xaa at
 residue 4,
 1189 11, 18, 26 and 28 is Pro or Hyp; Xaa at residue 31 is Trp or Bromo
 E--> 1190 Trp
 W--> 1193 <210> SEQ ID NO:
 W--> 1193 <211> LENGTH:
 W--> 1193 <212> TYPE:
 W--> 1193 <213> ORGANISM:
 1193 <400> SEQUENCE: 54
 E--> 1195 Cys Ile Thr Xaa Gly Thr Ala Cys Lys Val Xaa Ser Gln Cys Cys Arg
 1196 1 5 10 15
 1198 Gly Xaa Cys Lys Asn Gly Arg Cys Thr Xaa Ser Xaa Ser Xaa Xaa
 1199 20 25 30
 2783 <210> SEQ ID NO: 134
 2784 <211> LENGTH: 27
 2785 <212> TYPE: PRT
 2786 <213> ORGANISM: Conus ermineus

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2788 <220> FEATURE:
2789 <221> NAME/KEY: PEPTIDE
2790 <222> LOCATION: (1)..(27)
2791 <223> OTHER INFORMATION: Xaa at 8 residue is Pro or Hyp; Xaa at residue 3 is Trp or
Bromo
E--> 2792      Trp
W--> 2795 <210> SEQ ID NO:
W--> 2795 <211> LENGTH:
W--> 2795 <212> TYPE:
W--> 2795 <213> ORGANISM:
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E--> 2797 Ala Cys Xaa Ser Ser Gly Thr Xaa Cys Gly Thr Asp Ser Leu Cys Cys
2798 1 5 10 15
2800 Gly Gly Cys Asn Val Ser Lys Ser Lys Cys Asn
2801 20 25
3348 <210> SEQ ID NO: 161
3349 <211> LENGTH: 27
3350 <212> TYPE: PRT
3351 <213> ORGANISM: Conus laterculatus
3353 <220> FEATURE:
3354 <221> NAME/KEY: PEPTIDE
3355 <222> LOCATION: (1)..(27)
3356 <223> OTHER INFORMATION: Xaa at residue 4 is Pro or Hyp; Xaa at residue 3 is Trp or
Bromo
E--> 3357      Trp
W--> 3360 <210> SEQ ID NO:
W--> 3360 <211> LENGTH:
W--> 3360 <212> TYPE:
W--> 3360 <213> ORGANISM:
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E--> 3362 Thr Cys Xaa Xaa Ser Gly Thr Ala Cys Gly Ile Asp Ser Asn Cys Cys
3363 1 5 10 15
3365 Ser Gly Cys Asn Val Ser Arg Ser Lys Cys Asn
3366 20 25
3863 <210> SEQ ID NO: 185
3864 <211> LENGTH: 27
3865 <212> TYPE: PRT
3866 <213> ORGANISM: Conus lynceus
3868 <220> FEATURE:
3869 <221> NAME/KEY: PEPTIDE
3870 <222> LOCATION: (1)..(27)
3871 <223> OTHER INFORMATION: Xaa at residue 8 is Pro or Hyp; Xaa at residue 3 is Trp or
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E--> 3872      Trp
W--> 3875 <210> SEQ ID NO:
W--> 3875 <211> LENGTH:
W--> 3875 <212> TYPE:
W--> 3875 <213> ORGANISM:
3875 <400> SEQUENCE: 185
E--> 3877 Ala Cys Xaa Ser Ser Gly Thr Xaa Cys Gly Thr Asp Ser Leu Cys Cys
3878 1 5 10 15
3880 Gly Gly Cys Asn Val Ser Lys Ser Lys Cys Asn

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3881	20	25
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VERIFICATION SUMMARY

DATE: 01/09/2002

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TIME: 14:36:32

Input Set : A:\2314-241.ST25.txt

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L:18 M:270 C: Current Application Number differs, Replaced Current Application No
L:18 M:271 C: Current Filing Date differs, Replaced Current Filing Date
L:93 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3
L:96 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3
L:161 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6
L:164 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6
L:228 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:9
L:301 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:12
L:363 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:15
L:366 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:15
L:369 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:15
L:428 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:18
L:431 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:18
L:490 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:21
L:493 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:21
L:496 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:21
L:555 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:24
L:558 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:24
L:618 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:27
L:646 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:28
L:686 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:30
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L:810 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:36
L:813 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:36
L:873 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:39
L:937 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:42
L:940 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:42
L:1000 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:45
L:1064 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:48
L:1067 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:48
L:1128 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:51
L:1131 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:51
L:1134 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:51
L:1190 M:252 E: No. of Seq. differs, <211>LENGTH:Input:31 Found:1 SEQ:54
L:1193 M:282 W: Numeric Field Identifier Missing, <210> is required.
L:1193 M:282 W: Numeric Field Identifier Missing, <211> is required.
L:1193 M:282 W: Numeric Field Identifier Missing, <212> is required.
L:1193 M:282 W: Numeric Field Identifier Missing, <213> is required.
L:1259 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:57
L:1262 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:57
L:1323 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:60
L:1326 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:60
L:1387 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:63
L:1390 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:63
L:1393 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:63
L:1453 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:66
L:1515 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:69

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L:1518 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:69
L:1521 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:69
L:1551 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:71
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L:1647 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:77
L:1694 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:80
L:1743 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:83
L:1746 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:83
L:1790 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:86
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L:2795 M:282 W: Numeric Field Identifier Missing, <210> is required.
L:2795 M:282 W: Numeric Field Identifier Missing, <211> is required.
L:2795 M:282 W: Numeric Field Identifier Missing, <212> is required.
L:2795 M:282 W: Numeric Field Identifier Missing, <213> is required.
L:3357 M:252 E: No. of Seq. differs, <211>LENGTH:Input:27 Found:1 SEQ:161
L:3360 M:282 W: Numeric Field Identifier Missing, <210> is required.
L:3360 M:282 W: Numeric Field Identifier Missing, <211> is required.
L:3360 M:282 W: Numeric Field Identifier Missing, <212> is required.
L:3360 M:282 W: Numeric Field Identifier Missing, <213> is required.
L:3872 M:252 E: No. of Seq. differs, <211>LENGTH:Input:27 Found:1 SEQ:185
L:3875 M:282 W: Numeric Field Identifier Missing, <210> is required.
L:3875 M:282 W: Numeric Field Identifier Missing, <211> is required.
L:3875 M:282 W: Numeric Field Identifier Missing, <212> is required.
L:3875 M:282 W: Numeric Field Identifier Missing, <213> is required.